

Input Set : A:\08833838.txt
Output Set: N:\CRF3\05092000\H833838.raw

ENTERED

```

C--> 47 (2) INFORMATION FOR SEQ ID NO: 1
C--> 49 (i) SEQUENCE CHARACTERISTICS:
C--> 50 (A) LENGTH: 10
C--> 51 (B) TYPE: AMINO ACID
C--> 52 (C) STRANDEDNESS: SINGLE
C--> 53 (D) TOPOLOGY: LINEAR
W--> 55 (ii) MOLECULE TYPE:
C--> 56 (A) DESCRIPTION: PEPTIDE
C--> 58 (iii) HYPOTHETICAL: YES
C--> 60 (iv) ANTI-SENSE: NO

```

RAW SEQUENCE LISTING DATE: 05/10/2000
 PATENT APPLICATION: US/08/833,838 TIME: 11:51:10

Input Set : A:\08833838.txt
 Output Set: N:\CRF3\05092000\H833838.raw

```

C--> 62      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1
      64 Asp Trp Glu Tyr Ser Val Trp Leu Ser Asn
      65      1              5              10
      68 (3)  INFORMATION FOR SEQ ID NO: 2
E--> 70      (i)  SEQUENCE CHARACTERISTICS:
      71          (A) LENGTH: 6
E--> 72          (B) TYPE: AMINO ACID
E--> 73          (C) STRANDEDNESS: SINGLE
E--> 74          (D) TOPOLOGY: LINEAR
E--> 76      (ii) MOLECULE TYPE:
      77          (A) DESCRIPTION: PEPTIDE
E--> 79      (iii) HYPOTHETICAL: YES
E--> 81      (iv) ANTI-SENSE: NO
E--> 83      (ix) FEATURE:
      84          (A) NAME/KEY:
      85          (B) LOCATION:
      86          (C) IDENTIFICATION METHOD:
      87          (D) OTHER INFORMATION: Xaa at 1 and 4 is any amino
      88              acid
      90      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2
E--> 92 Xaa Gly Trp Xaa Arg Val
      93      1              5
      95 (4)  INFORMATION FOR SEQ ID NO: 3
E--> 97      (i)  SEQUENCE CHARACTERISTICS:
      98          (A) LENGTH: 6
E--> 99          (B) TYPE: AMINO ACID
E--> 100         (D) TOPOLOGY: LINEAR
E--> 102      (ii) MOLECULE TYPE:
      103          (A) DESCRIPTION: PEPTIDE
E--> 105      (iii) HYPOTHETICAL: YES
E--> 107      (ix) FEATURE:
      108          (A) NAME/KEY:
      109          (B) LOCATION:
      110          (C) IDENTIFICATION METHOD:
      111          (D) OTHER INFORMATION: Xaa at 1, 3 and 6 is any
      112              amino acid
      114      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3
E--> 116 Xaa Trp Xaa Tyr His Xaa
      117      1              5
      119 (5)  INFORMATION FOR SEQ ID NO: 4
E--> 121      (i)  SEQUENCE CHARACTERISTICS:
      122          (A) LENGTH: 5
E--> 123          (B) TYPE: AMINO ACID
E--> 124          (D) TOPOLOGY: LINEAR
E--> 126      (ii) MOLECULE TYPE:
      127          (A) DESCRIPTION: PEPTIDE
E--> 129      (iii) HYPOTHETICAL: YES
E--> 131      (ix) FEATURE:
      132          (A) NAME/KEY:

```

RAW SEQUENCE LISTING DATE: 05/10/2000
 PATENT APPLICATION: US/08/833,838 TIME: 11:51:10

Input Set : A:\08833838.txt
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```

E--> 133      (B) LOCATION:
E--> 134      (C) IDENTIFICATION METHOD:
E--> 135      (D) OTHER INFORMATION:  Xaa at 1 and 3 is Aspartic
E--> 136      Acid or Glutamic Acid; Xaa at 5 is Glycine
E--> 137      or Serine
E--> 139      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4
E--> 141 Xaa Trp Xaa Tyr Xaa
E--> 142      1          5
E--> 145 (6) INFORMATION FOR SEQ ID NO: 5
E--> 147      (i) SEQUENCE CHARACTERISTICS:
E--> 148          (A) LENGTH: 6
E--> 149          (B) TYPE: AMINO ACID
E--> 150          (D) TOPOLOGY: LINEAR
E--> 152      (ii) MOLECULE TYPE:
E--> 153          (A) DESCRIPTION: PEPTIDE
E--> 155      (iii) HYPOTHETICAL: YES
E--> 157      (ix) FEATURE:
E--> 158          (A) NAME/KEY:
E--> 159          (B) LOCATION:
E--> 160          (C) IDENTIFICATION METHOD:
E--> 161          (D) OTHER INFORMATION:  Xaa at 1 and 3 is Aspartic
E--> 162      Acid or Glutamic Acid
E--> 164      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 5
E--> 166 Xaa Gly Xaa Trp Pro Arg
E--> 167      1          5
E--> 170 (7) INFORMATION FOR SEQ ID NO: 6
E--> 172      (i) SEQUENCE CHARACTERISTICS:
E--> 173          (A) LENGTH: 25
E--> 174          (B) TYPE: AMINO ACID
E--> 175          (D) TOPOLOGY: LINEAR
E--> 177      (ii) MOLECULE TYPE:
E--> 178          (A) DESCRIPTION: PEPTIDE
E--> 180      (iii) HYPOTHETICAL: YES
E--> 182      (ix) FEATURE:
E--> 183          (A) NAME/KEY:
E--> 184          (B) LOCATION:
E--> 185          (C) IDENTIFICATION METHOD:
E--> 186          (D) OTHER INFORMATION:  Xaa at 7-16 is any amino acid
E--> 188      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6
E--> 190 Ala Asp Gly Ser Gly Gly Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
E--> 191      1          5          10          15
E--> 193 Gly Ala Pro Ser Gly Ala Glu Thr Val
E--> 194      20          25
E--> 197 (8) INFORMATION FOR SEQ ID NO: 7
E--> 199      (i) SEQUENCE CHARACTERISTICS:
E--> 200          (A) LENGTH: 10
E--> 201          (B) TYPE: AMINO ACID
E--> 202          (D) TOPOLOGY: LINEAR
E--> 204      (ii) MOLECULE TYPE:

```

RAW SEQUENCE LISTING DATE: 05/10/2000
 PATENT APPLICATION: US/08/833,838 TIME: 11:51:10

Input Set : A:\08833838.txt
 Output Set: N:\CRF3\05092000\H833838.raw

```

E--> 205          (A) DESCRIPTION: PEPTIDE
E--> 207      (iii) HYPOTHETICAL: YES
      209      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 7
E--> 211 Arg His Glu Asp Gly Asp Trp Pro Arg Val
E--> 212 1          5          10
C--> 68 (2) INFORMATION FOR SEQ ID NO: 2
C--> 70      (i) SEQUENCE CHARACTERISTICS:
C--> 71          (A) LENGTH: 6
C--> 72          (B) TYPE: AMINO ACID
C--> 73          (C) STRANDEDNESS: SINGLE
C--> 74          (D) TOPOLOGY: LINEAR
W--> 76      (ii) MOLECULE TYPE:
C--> 77          (A) DESCRIPTION: PEPTIDE
C--> 79      (iii) HYPOTHETICAL: YES
C--> 81      (iv) ANTI-SENSE: NO
C--> 83      (ix) FEATURE:
C--> 84          (A) NAME/KEY:
C--> 85          (B) LOCATION:
C--> 86          (C) IDENTIFICATION METHOD:
C--> 87          (D) OTHER INFORMATION: Xaa at 1 and 4 is any amino
C--> 88 acid
C--> 90      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2
W--> 92 Xaa Gly Trp Xaa Arg Val
      93 1          5
      95 (4) INFORMATION FOR SEQ ID NO: 3
E--> 97      (i) SEQUENCE CHARACTERISTICS:
      98          (A) LENGTH: 6
E--> 99          (B) TYPE: AMINO ACID
E--> 100          (D) TOPOLOGY: LINEAR
E--> 102      (ii) MOLECULE TYPE:
E--> 103          (A) DESCRIPTION: PEPTIDE
E--> 105      (iii) HYPOTHETICAL: YES
E--> 107      (ix) FEATURE:
E--> 108          (A) NAME/KEY:
E--> 109          (B) LOCATION:
E--> 110          (C) IDENTIFICATION METHOD:
E--> 111          (D) OTHER INFORMATION: Xaa at 1, 3 and 6 is any
E--> 112          amino acid
      114      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3
E--> 116 Xaa Trp Xaa Tyr His Xaa
E--> 117 1          5
      119 (5) INFORMATION FOR SEQ ID NO: 4
E--> 121      (i) SEQUENCE CHARACTERISTICS:
      122          (A) LENGTH: 5
E--> 123          (B) TYPE: AMINO ACID
E--> 124          (D) TOPOLOGY: LINEAR
E--> 126      (ii) MOLECULE TYPE:
E--> 127          (A) DESCRIPTION: PEPTIDE
E--> 129      (iii) HYPOTHETICAL: YES

```

RAW SEQUENCE LISTING DATE: 05/10/2000
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Input Set : A:\08833838.txt
 Output Set: N:\CRF3\05092000\H833838.raw

```

E--> 131      (ix) FEATURE:
E--> 132          (A) NAME/KEY:
E--> 133          (B) LOCATION:
E--> 134          (C) IDENTIFICATION METHOD:
E--> 135          (D) OTHER INFORMATION: Xaa at 1 and 3 is Aspartic
E--> 136              Acid or Glutamic Acid; Xaa at 5 is Glycine
E--> 137              or Serine
E--> 139      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4
E--> 141 Xaa Trp Xaa Tyr Xaa
E--> 142      1          5
E--> 145 (6) INFORMATION FOR SEQ ID NO: 5
E--> 147      (i) SEQUENCE CHARACTERISTICS:
E--> 148          (A) LENGTH: 6
E--> 149          (B) TYPE: AMINO ACID
E--> 150          (D) TOPOLOGY: LINEAR
E--> 152      (ii) MOLECULE TYPE:
E--> 153          (A) DESCRIPTION: PEPTIDE
E--> 155      (iii) HYPOTHETICAL: YES
E--> 157      (ix) FEATURE:
E--> 158          (A) NAME/KEY:
E--> 159          (B) LOCATION:
E--> 160          (C) IDENTIFICATION METHOD:
E--> 161          (D) OTHER INFORMATION: Xaa at 1 and 3 is Aspartic
E--> 162              Acid or Glutamic Acid
E--> 164      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 5
E--> 166 Xaa Gly Xaa Trp Pro Arg
E--> 167      1          5
E--> 170 (7) INFORMATION FOR SEQ ID NO: 6
E--> 172      (i) SEQUENCE CHARACTERISTICS:
E--> 173          (A) LENGTH: 25
E--> 174          (B) TYPE: AMINO ACID
E--> 175          (D) TOPOLOGY: LINEAR
E--> 177      (ii) MOLECULE TYPE:
E--> 178          (A) DESCRIPTION: PEPTIDE
E--> 180      (iii) HYPOTHETICAL: YES
E--> 182      (ix) FEATURE:
E--> 183          (A) NAME/KEY:
E--> 184          (B) LOCATION:
E--> 185          (C) IDENTIFICATION METHOD:
E--> 186          (D) OTHER INFORMATION: Xaa at 7-16 is any amino acid
E--> 188      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6
E--> 190 Ala Asp Gly Ser Gly Gly Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
E--> 191      1          5          10          15
E--> 193 Gly Ala Pro Ser Gly Ala Glu Thr Val
E--> 194          20          25
E--> 197 (8) INFORMATION FOR SEQ ID NO: 7
E--> 199      (i) SEQUENCE CHARACTERISTICS:
E--> 200          (A) LENGTH: 10
E--> 201          (B) TYPE: AMINO ACID

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 PATENT APPLICATION: US/08/833,838 TIME: 11:51:10

Input Set : A:\08833838.txt
 Output Set: N:\CRF3\05092000\H833838.raw

```

E--> 202          (D) TOPOLOGY: LINEAR
E--> 204      (ii) MOLECULE TYPE:
E--> 205          (A) DESCRIPTION: PEPTIDE
E--> 207      (iii) HYPOTHETICAL: YES
E--> 209      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 7
E--> 211 Arg His Glu Asp Gly Asp Trp Pro Arg Val
E--> 212 1          5          10
C--> 95 (2) INFORMATION FOR SEQ ID NO: 3
C--> 97      (i) SEQUENCE CHARACTERISTICS:
C--> 98          (A) LENGTH: 6
C--> 99          (B) TYPE: AMINO ACID
C--> 100         (D) TOPOLOGY: LINEAR
W--> 102      (ii) MOLECULE TYPE:
C--> 103          (A) DESCRIPTION: PEPTIDE
C--> 105      (iii) HYPOTHETICAL: YES
C--> 107      (ix) FEATURE:
C--> 108          (A) NAME/KEY:
C--> 109          (B) LOCATION:
C--> 110          (C) IDENTIFICATION METHOD:
C--> 111          (D) OTHER INFORMATION: Xaa at 1, 3 and 6 is any
C--> 112 amino acid
C--> 114      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3
W--> 116 Xaa Trp Xaa Tyr His Xaa
E--> 117 1          5
E--> 119 (5) INFORMATION FOR SEQ ID NO: 4
E--> 121      (i) SEQUENCE CHARACTERISTICS:
E--> 122          (A) LENGTH: 5
E--> 123          (B) TYPE: AMINO ACID
E--> 124          (D) TOPOLOGY: LINEAR
E--> 126      (ii) MOLECULE TYPE:
E--> 127          (A) DESCRIPTION: PEPTIDE
E--> 129      (iii) HYPOTHETICAL: YES
E--> 131      (ix) FEATURE:
E--> 132          (A) NAME/KEY:
E--> 133          (B) LOCATION:
E--> 134          (C) IDENTIFICATION METHOD:
E--> 135          (D) OTHER INFORMATION: Xaa at 1 and 3 is Aspartic
E--> 136              Acid or Glutamic Acid; Xaa at 5 is Glycine
E--> 137              or Serine
E--> 139      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4
E--> 141 Xaa Trp Xaa Tyr Xaa
E--> 142 1          5
E--> 145 (6) INFORMATION FOR SEQ ID NO: 5
E--> 147      (i) SEQUENCE CHARACTERISTICS:
E--> 148          (A) LENGTH: 6
E--> 149          (B) TYPE: AMINO ACID
E--> 150          (D) TOPOLOGY: LINEAR
E--> 152      (ii) MOLECULE TYPE:
E--> 153          (A) DESCRIPTION: PEPTIDE

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RAW SEQUENCE LISTING DATE: 05/10/2000
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Input Set : A:\08833838.txt
 Output Set: N:\CRF3\05092000\H833838.raw

```

E--> 155      (iii) HYPOTHETICAL: YES
E--> 157      (ix) FEATURE:
E--> 158          (A) NAME/KEY:
E--> 159          (B) LOCATION:
E--> 160          (C) IDENTIFICATION METHOD:
E--> 161          (D) OTHER INFORMATION: Xaa at 1 and 3 is Aspartic
E--> 162              Acid or Glutamic Acid
E--> 164      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 5
E--> 166 Xaa Gly Xaa Trp Pro Arg
E--> 167      1              5
E--> 170 (7) INFORMATION FOR SEQ ID NO: 6
E--> 172      (i) SEQUENCE CHARACTERISTICS:
E--> 173          (A) LENGTH: 25
E--> 174          (B) TYPE: AMINO ACID
E--> 175          (D) TOPOLOGY: LINEAR
E--> 177      (ii) MOLECULE TYPE:
E--> 178          (A) DESCRIPTION: PEPTIDE
E--> 180      (iii) HYPOTHETICAL: YES
E--> 182      (ix) FEATURE:
E--> 183          (A) NAME/KEY:
E--> 184          (B) LOCATION:
E--> 185          (C) IDENTIFICATION METHOD:
E--> 186          (D) OTHER INFORMATION: Xaa at 7-16 is any amino acid
E--> 188      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6
E--> 190 Ala Asp Gly Ser Gly Gly Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
E--> 191      1              5              10              15
E--> 193 Gly Ala Pro Ser Gly Ala Glu Thr Val
E--> 194      20              25
E--> 197 (8) INFORMATION FOR SEQ ID NO: 7
E--> 199      (i) SEQUENCE CHARACTERISTICS:
E--> 200          (A) LENGTH: 10
E--> 201          (B) TYPE: AMINO ACID
E--> 202          (D) TOPOLOGY: LINEAR
E--> 204      (ii) MOLECULE TYPE:
E--> 205          (A) DESCRIPTION: PEPTIDE
E--> 207      (iii) HYPOTHETICAL: YES
E--> 209      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 7
E--> 211 Arg His Glu Asp Gly Asp Trp Pro Arg Val
E--> 212      1              5              10
C--> 119 (2) INFORMATION FOR SEQ ID NO: 4
C--> 121      (i) SEQUENCE CHARACTERISTICS:
C--> 122          (A) LENGTH: 5
C--> 123          (B) TYPE: AMINO ACID
C--> 124          (D) TOPOLOGY: LINEAR
W--> 126      (ii) MOLECULE TYPE:
C--> 127          (A) DESCRIPTION: PEPTIDE
C--> 129      (iii) HYPOTHETICAL: YES
C--> 131      (ix) FEATURE:
C--> 132          (A) NAME/KEY:

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 PATENT APPLICATION: US/08/833,838 TIME: 11:51:10

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 Output Set: N:\CRF3\05092000\H833838.raw

```

C--> 133          (B) LOCATION:
C--> 134          (C) IDENTIFICATION METHOD:
C--> 135          (D) OTHER INFORMATION: Xaa at 1 and 3 is Aspartic
C--> 136 Acid or Glutamic Acid; Xaa at 5 is Glycine
C--> 137 or Serine
C--> 139          (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4
W--> 141 Xaa Trp Xaa Tyr Xaa
      142   1           5
      145 (6) INFORMATION FOR SEQ ID NO: 5
E--> 147          (i) SEQUENCE CHARACTERISTICS:
      148          (A) LENGTH: 6
E--> 149          (B) TYPE: AMINO ACID
E--> 150          (D) TOPOLOGY: LINEAR
E--> 152          (ii) MOLECULE TYPE:
E--> 153          (A) DESCRIPTION: PEPTIDE
E--> 155          (iii) HYPOTHETICAL: YES
E--> 157          (ix) FEATURE:
E--> 158          (A) NAME/KEY:
E--> 159          (B) LOCATION:
E--> 160          (C) IDENTIFICATION METHOD:
E--> 161          (D) OTHER INFORMATION: Xaa at 1 and 3 is Aspartic
E--> 162          Acid or Glutamic Acid
      164          (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 5
E--> 166 Xaa Gly Xaa Trp Pro Arg
      167   1           5
      170 (7) INFORMATION FOR SEQ ID NO: 6
E--> 172          (i) SEQUENCE CHARACTERISTICS:
      173          (A) LENGTH: 25
E--> 174          (B) TYPE: AMINO ACID
E--> 175          (D) TOPOLOGY: LINEAR
E--> 177          (ii) MOLECULE TYPE:
E--> 178          (A) DESCRIPTION: PEPTIDE
E--> 180          (iii) HYPOTHETICAL: YES
E--> 182          (ix) FEATURE:
E--> 183          (A) NAME/KEY:
E--> 184          (B) LOCATION:
E--> 185          (C) IDENTIFICATION METHOD:
E--> 186          (D) OTHER INFORMATION: Xaa at 7-16 is any amino acid
      188          (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6
E--> 190 Ala Asp Gly Ser Gly Gly Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
      191   1           5           10          15
      193 Gly Ala Pro Ser Gly Ala Glu Thr Val
E--> 194          20           25
      197 (8) INFORMATION FOR SEQ ID NO: 7
E--> 199          (i) SEQUENCE CHARACTERISTICS:
      200          (A) LENGTH: 10
E--> 201          (B) TYPE: AMINO ACID
E--> 202          (D) TOPOLOGY: LINEAR
E--> 204          (ii) MOLECULE TYPE:

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 PATENT APPLICATION: US/08/833,838 TIME: 11:51:10

Input Set : A:\08833838.txt
 Output Set: N:\CRF3\05092000\H833838.raw

```

E--> 205          (A) DESCRIPTION: PEPTIDE
E--> 207      (iii) HYPOTHETICAL: YES
      209      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 7
E--> 211 Arg His Glu Asp Gly Asp Trp Pro Arg Val
E--> 212 1          5          10
C--> 145 (2) INFORMATION FOR SEQ ID NO: 5
C--> 147      (i) SEQUENCE CHARACTERISTICS:
C--> 148          (A) LENGTH: 6
C--> 149          (B) TYPE: AMINO ACID
C--> 150          (D) TOPOLOGY: LINEAR
W--> 152      (ii) MOLECULE TYPE:
C--> 153          (A) DESCRIPTION: PEPTIDE
C--> 155      (iii) HYPOTHETICAL: YES
C--> 157      (ix) FEATURE:
C--> 158          (A) NAME/KEY:
C--> 159          (B) LOCATION:
C--> 160          (C) IDENTIFICATION METHOD:
C--> 161          (D) OTHER INFORMATION: Xaa at 1 and 3 is Aspartic
C--> 162 Acid or Glutamic Acid
C--> 164      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 5
W--> 166 Xaa Gly Xaa Trp Pro Arg
      167 1          5
      170 (7) INFORMATION FOR SEQ ID NO: 6
E--> 172      (i) SEQUENCE CHARACTERISTICS:
      173          (A) LENGTH: 25
E--> 174          (B) TYPE: AMINO ACID
E--> 175          (D) TOPOLOGY: LINEAR
E--> 177      (ii) MOLECULE TYPE:
E--> 178          (A) DESCRIPTION: PEPTIDE
E--> 180      (iii) HYPOTHETICAL: YES
E--> 182      (ix) FEATURE:
E--> 183          (A) NAME/KEY:
E--> 184          (B) LOCATION:
E--> 185          (C) IDENTIFICATION METHOD:
E--> 186          (D) OTHER INFORMATION: Xaa at 7-16 is any amino acid
      188      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6
E--> 190 Ala Asp Gly Ser Gly Gly Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
E--> 191 1          5          10          15
      193 Gly Ala Pro Ser Gly Ala Glu Thr Val
E--> 194          20          25
      197 (8) INFORMATION FOR SEQ ID NO: 7
E--> 199      (i) SEQUENCE CHARACTERISTICS:
      200          (A) LENGTH: 10
E--> 201          (B) TYPE: AMINO ACID
E--> 202          (D) TOPOLOGY: LINEAR
E--> 204      (ii) MOLECULE TYPE:
E--> 205          (A) DESCRIPTION: PEPTIDE
E--> 207      (iii) HYPOTHETICAL: YES
      209      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 7

```

RAW SEQUENCE LISTING DATE: 05/10/2000
 PATENT APPLICATION: US/08/833,838 TIME: 11:51:10

Input Set : A:\08833838.txt
 Output Set: N:\CRF3\05092000\H833838.raw

```

E--> 211 Arg His Glu Asp Gly Asp Trp Pro Arg Val
E--> 212 1 5 10
C--> 170 (2) INFORMATION FOR SEQ ID NO: 6
C--> 172 (i) SEQUENCE CHARACTERISTICS:
C--> 173 (A) LENGTH: 25
C--> 174 (B) TYPE: AMINO ACID
C--> 175 (D) TOPOLOGY: LINEAR
W--> 177 (ii) MOLECULE TYPE:
C--> 178 (A) DESCRIPTION: PEPTIDE
C--> 180 (iii) HYPOTHETICAL: YES
C--> 182 (ix) FEATURE:
C--> 183 (A) NAME/KEY:
C--> 184 (B) LOCATION:
C--> 185 (C) IDENTIFICATION METHOD:
C--> 186 (D) OTHER INFORMATION: Xaa at 7-16 is any amino acid
C--> 188 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6
W--> 190 Ala Asp Gly Ser Gly Gly Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
191 1 5 10 15
193 Gly Ala Pro Ser Gly Ala Glu Thr Val
194 20 25
197 (8) INFORMATION FOR SEQ ID NO: 7
E--> 199 (i) SEQUENCE CHARACTERISTICS:
200 (A) LENGTH: 10
E--> 201 (B) TYPE: AMINO ACID
E--> 202 (D) TOPOLOGY: LINEAR
E--> 204 (ii) MOLECULE TYPE:
E--> 205 (A) DESCRIPTION: PEPTIDE
E--> 207 (iii) HYPOTHETICAL: YES
209 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 7
E--> 211 Arg His Glu Asp Gly Asp Trp Pro Arg Val
E--> 212 1 5 10

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VERIFICATION SUMMARY DATE: 05/10/2000
 PATENT APPLICATION: US/08/833,838 TIME: 11:51:11

Input Set : A:\08833838.txt
 Output Set: N:\CRF3\05092000\H833838.raw

L:3 M:220 C: Keyword misspelled, [(1) GENERAL INFORMATION:]
 L:5 M:220 C: Keyword misspelled, [(i) APPLICANT:]
 L:8 M:220 C: Keyword misspelled, [(ii) TITLE OF INVENTION:]
 L:12 M:220 C: Keyword misspelled, [(iii) NUMBER OF SEQUENCES:]
 L:14 M:220 C: Keyword misspelled, [(iv) CORRESPONDENCE ADDRESS:]
 L:15 M:220 C: Keyword misspelled, [(A) ADDRESSEE:]
 L:16 M:220 C: Keyword misspelled, [(B) STREET:]
 L:17 M:220 C: Keyword misspelled, [(C) CITY:]
 L:18 M:220 C: Keyword misspelled, [(D) STATE:]
 L:19 M:220 C: Keyword misspelled, [(E) COUNTRY:]
 L:20 M:220 C: Keyword misspelled, [(F) ZIP:]
 L:22 M:220 C: Keyword misspelled, [(v) COMPUTER READABLE FORM:]
 L:23 M:220 C: Keyword misspelled, [(A) MEDIUM TYPE:]
 L:24 M:220 C: Keyword misspelled, [(B) COMPUTER:]
 L:25 M:220 C: Keyword misspelled, [(C) OPERATING SYSTEM:]
 L:26 M:220 C: Keyword misspelled, [(D) SOFTWARE:]
 L:28 M:220 C: Keyword misspelled, [(vi) CURRENT APPLICATION DATA:]
 L:29 M:220 C: Keyword misspelled, [(A) APPLICATION NUMBER:]
 L:30 M:220 C: Keyword misspelled, [(B) FILING DATE:]
 L:32 M:220 C: Keyword misspelled, [(vii) PRIOR APPLICATION DATA:]
 L:33 M:220 C: Keyword misspelled, [(A) APPLICATION NUMBER:]
 L:34 M:220 C: Keyword misspelled, [(B) FILING DATE:]
 L:37 M:220 C: Keyword misspelled, [(viii) ATTORNEY/AGENT INFORMATION:]
 L:38 M:220 C: Keyword misspelled, [(A) NAME:]
 L:39 M:220 C: Keyword misspelled, [(B) REGISTRATION NUMBER:]
 L:40 M:220 C: Keyword misspelled, [(C) REFERENCE/DOCKET NUMBER:]
 L:42 M:220 C: Keyword misspelled, [(ix) TELECOMMUNICATION INFORMATION:]
 L:43 M:220 C: Keyword misspelled, [(A) TELEPHONE:]
 L:44 M:220 C: Keyword misspelled, [(B) TELEFAX:]
 L:45 M:220 C: Keyword misspelled, [(C) TELEX:]
 L:47 M:220 C: Keyword misspelled, [(2) INFORMATION FOR SEQ ID NO:]
 L:49 M:220 C: Keyword misspelled, [(i) SEQUENCE CHARACTERISTICS:]
 L:50 M:220 C: Keyword misspelled, [(A) LENGTH:]
 L:51 M:220 C: Keyword misspelled, [(B) TYPE:]
 L:52 M:220 C: Keyword misspelled, [(C) STRANDEDNESS:]
 L:53 M:220 C: Keyword misspelled, [(D) TOPOLOGY:]
 L:55 M:220 C: Keyword misspelled, [(ii) MOLECULE TYPE:]
 L:56 M:220 C: Keyword misspelled, [(A) DESCRIPTION:]
 L:58 M:220 C: Keyword misspelled, [(iii) HYPOTHETICAL:]
 L:60 M:220 C: Keyword misspelled, [(iv) ANTI-SENSE:]
 L:62 M:220 C: Keyword misspelled, [(xi) SEQUENCE DESCRIPTION: SEQ ID NO:]
 L:55 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=1, Value=[]
 L:70 M:333 E: Wrong sequence grouping, Amino acids not in groups!
 L:70 M:330 E: (2) Invalid Amino Acid Designator, 3
 L:72 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:0
 L:72 M:333 E: Wrong sequence grouping, Amino acids not in groups!
 L:72 M:330 E: (2) Invalid Amino Acid Designator, 4
 M:332 Repeated in SeqNo=1

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L:73 M:333 E: Wrong sequence grouping, Amino acids not in groups!
L:73 M:330 E: (2) Invalid Amino Acid Designator, 3
L:74 M:333 E: Wrong sequence grouping, Amino acids not in groups!
L:74 M:330 E: (2) Invalid Amino Acid Designator, 3
L:76 M:333 E: Wrong sequence grouping, Amino acids not in groups!
L:76 M:330 E: (2) Invalid Amino Acid Designator, 3
L:77 M:333 E: Wrong sequence grouping, Amino acids not in groups!
L:77 M:330 E: (2) Invalid Amino Acid Designator, 3
L:79 M:333 E: Wrong sequence grouping, Amino acids not in groups!
L:79 M:330 E: (2) Invalid Amino Acid Designator, 3
L:81 M:333 E: Wrong sequence grouping, Amino acids not in groups!
L:81 M:330 E: (2) Invalid Amino Acid Designator, 3
L:83 M:333 E: Wrong sequence grouping, Amino acids not in groups!
L:83 M:330 E: (2) Invalid Amino Acid Designator, 2
L:84 M:333 E: Wrong sequence grouping, Amino acids not in groups!
L:84 M:330 E: (2) Invalid Amino Acid Designator, 2
L:85 M:333 E: Wrong sequence grouping, Amino acids not in groups!
L:85 M:330 E: (2) Invalid Amino Acid Designator, 2
L:86 M:333 E: Wrong sequence grouping, Amino acids not in groups!
L:86 M:330 E: (2) Invalid Amino Acid Designator, 2
L:87 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
L:87 M:333 E: Wrong sequence grouping, Amino acids not in groups!
L:87 M:330 E: (2) Invalid Amino Acid Designator, 8
L:88 M:333 E: Wrong sequence grouping, Amino acids not in groups!
L:88 M:330 E: (2) Invalid Amino Acid Designator, 1
L:92 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
L:97 M:333 E: Wrong sequence grouping, Amino acids not in groups!
L:97 M:330 E: (2) Invalid Amino Acid Designator, 3
L:99 M:333 E: Wrong sequence grouping, Amino acids not in groups!
L:99 M:330 E: (2) Invalid Amino Acid Designator, 4
L:100 M:333 E: Wrong sequence grouping, Amino acids not in groups!
L:100 M:330 E: (2) Invalid Amino Acid Designator, 3
L:102 M:333 E: Wrong sequence grouping, Amino acids not in groups!
L:102 M:330 E: (2) Invalid Amino Acid Designator, 3
L:103 M:333 E: Wrong sequence grouping, Amino acids not in groups!
L:103 M:330 E: (2) Invalid Amino Acid Designator, 3
L:105 M:333 E: Wrong sequence grouping, Amino acids not in groups!
L:105 M:330 E: (2) Invalid Amino Acid Designator, 3
L:107 M:333 E: Wrong sequence grouping, Amino acids not in groups!
L:107 M:330 E: (2) Invalid Amino Acid Designator, 2
L:108 M:333 E: Wrong sequence grouping, Amino acids not in groups!
L:108 M:330 E: (2) Invalid Amino Acid Designator, 2
L:109 M:333 E: Wrong sequence grouping, Amino acids not in groups!
L:109 M:330 E: (2) Invalid Amino Acid Designator, 2
L:110 M:333 E: Wrong sequence grouping, Amino acids not in groups!
L:110 M:330 E: (2) Invalid Amino Acid Designator, 2
L:111 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
L:111 M:333 E: Wrong sequence grouping, Amino acids not in groups!
L:111 M:330 E: (2) Invalid Amino Acid Designator, 7

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L:112 M:333 E: Wrong sequence grouping, Amino acids not in groups!
L:112 M:330 E: (2) Invalid Amino Acid Designator, 2
L:116 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
L:121 M:333 E: Wrong sequence grouping, Amino acids not in groups!
L:121 M:330 E: (2) Invalid Amino Acid Designator, 3
L:123 M:333 E: Wrong sequence grouping, Amino acids not in groups!
L:123 M:330 E: (2) Invalid Amino Acid Designator, 4
L:124 M:333 E: Wrong sequence grouping, Amino acids not in groups!
L:124 M:330 E: (2) Invalid Amino Acid Designator, 3
L:126 M:333 E: Wrong sequence grouping, Amino acids not in groups!
L:126 M:330 E: (2) Invalid Amino Acid Designator, 3
L:127 M:333 E: Wrong sequence grouping, Amino acids not in groups!
L:127 M:330 E: (2) Invalid Amino Acid Designator, 3
L:129 M:333 E: Wrong sequence grouping, Amino acids not in groups!
L:129 M:330 E: (2) Invalid Amino Acid Designator, 3
L:131 M:333 E: Wrong sequence grouping, Amino acids not in groups!
L:131 M:330 E: (2) Invalid Amino Acid Designator, 2
L:132 M:333 E: Wrong sequence grouping, Amino acids not in groups!
L:132 M:330 E: (2) Invalid Amino Acid Designator, 2
L:133 M:333 E: Wrong sequence grouping, Amino acids not in groups!
L:133 M:330 E: (2) Invalid Amino Acid Designator, 2
L:134 M:333 E: Wrong sequence grouping, Amino acids not in groups!
L:134 M:330 E: (2) Invalid Amino Acid Designator, 2
L:135 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
L:135 M:333 E: Wrong sequence grouping, Amino acids not in groups!
L:135 M:330 E: (2) Invalid Amino Acid Designator, 6
L:136 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
L:136 M:333 E: Wrong sequence grouping, Amino acids not in groups!
L:136 M:330 E: (2) Invalid Amino Acid Designator, 5
L:137 M:333 E: Wrong sequence grouping, Amino acids not in groups!
L:137 M:330 E: (2) Invalid Amino Acid Designator, 1
L:141 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
L:147 M:333 E: Wrong sequence grouping, Amino acids not in groups!
L:147 M:330 E: (2) Invalid Amino Acid Designator, 3
L:149 M:333 E: Wrong sequence grouping, Amino acids not in groups!
L:149 M:330 E: (2) Invalid Amino Acid Designator, 4
L:150 M:333 E: Wrong sequence grouping, Amino acids not in groups!
L:150 M:330 E: (2) Invalid Amino Acid Designator, 3
L:152 M:333 E: Wrong sequence grouping, Amino acids not in groups!
L:152 M:330 E: (2) Invalid Amino Acid Designator, 3
L:153 M:333 E: Wrong sequence grouping, Amino acids not in groups!
L:153 M:330 E: (2) Invalid Amino Acid Designator, 3
L:155 M:333 E: Wrong sequence grouping, Amino acids not in groups!
L:155 M:330 E: (2) Invalid Amino Acid Designator, 3
L:157 M:333 E: Wrong sequence grouping, Amino acids not in groups!
L:157 M:330 E: (2) Invalid Amino Acid Designator, 2
L:158 M:333 E: Wrong sequence grouping, Amino acids not in groups!
L:158 M:330 E: (2) Invalid Amino Acid Designator, 2
L:159 M:333 E: Wrong sequence grouping, Amino acids not in groups!

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Input Set : A:\08833838.txt
 Output Set: N:\CRF3\05092000\H833838.raw

L:159 M:330 E: (2) Invalid Amino Acid Designator, 2
 L:160 M:333 E: Wrong sequence grouping, Amino acids not in groups!
 L:160 M:330 E: (2) Invalid Amino Acid Designator, 2
 L:161 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
 L:161 M:333 E: Wrong sequence grouping, Amino acids not in groups!
 L:161 M:330 E: (2) Invalid Amino Acid Designator, 6
 L:166 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
 L:186 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
 L:190 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
 L:212 M:203 E: (20) Calc# of Seq. differs from actual, LENGTH:Input:10 Counted:292
 L:68 M:220 C: Keyword misspelled, [(2) INFORMATION FOR SEQ ID NO:]
 L:70 M:220 C: Keyword misspelled, [(i) SEQUENCE CHARACTERISTICS:]
 L:71 M:220 C: Keyword misspelled, [(A) LENGTH:]
 L:72 M:220 C: Keyword misspelled, [(B) TYPE:]
 L:73 M:220 C: Keyword misspelled, [(C) STRANDEDNESS:]
 L:74 M:220 C: Keyword misspelled, [(D) TOPOLOGY:]
 L:76 M:220 C: Keyword misspelled, [(ii) MOLECULE TYPE:]
 L:77 M:220 C: Keyword misspelled, [(A) DESCRIPTION:]
 L:79 M:220 C: Keyword misspelled, [(iii) HYPOTHETICAL:]
 L:76 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=2, Value=[]
 L:92 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
 L:99 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:0
 M:332 Repeated in SeqNo=2
 L:111 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
 L:116 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
 L:135 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
 L:136 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
 L:141 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
 L:161 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
 L:166 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
 L:186 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
 L:190 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
 L:212 M:203 E: (20) Calc# of Seq. differs from actual, LENGTH:Input:6 Counted:238
 L:102 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=3, Value=[]
 L:116 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
 L:123 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:0
 M:332 Repeated in SeqNo=3
 L:135 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
 L:136 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
 L:141 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
 L:161 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
 L:166 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
 L:186 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
 L:190 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
 L:212 M:203 E: (20) Calc# of Seq. differs from actual, LENGTH:Input:6 Counted:194
 L:126 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=4, Value=[]
 L:141 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
 L:149 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:0
 M:332 Repeated in SeqNo=4

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L:161 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:166 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:186 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:190 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:212 M:203 E: (20) Calc# of Seq. differs from actual, LENGTH:Input:5 Counted:142
L:152 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=5, Value=[]
L:166 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
L:174 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:0
M:332 Repeated in SeqNo=5
L:186 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
L:190 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
L:212 M:203 E: (20) Calc# of Seq. differs from actual, LENGTH:Input:6 Counted:97
L:177 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=6, Value=[]
L:190 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6
L:201 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:0
M:332 Repeated in SeqNo=6
L:212 M:203 E: (20) Calc# of Seq. differs from actual, LENGTH:Input:25 Counted:54
L:204 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=7, Value=[]